

10/535448



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Wolfgang Clemens et al.

SERIAL NO: 10/535,448 GROUP ART UNIT: Not assigned

FILED: May 19, 2005 EXAMINER: Not assigned

: CUSTOMER NO. 27162

FOR: Organic Electronic Component Comprising A Semiconductive Functional Layer and a Method for Producing Said Component

ATTY/DKT NO.: 411000-131

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DISCLOSURE STATEMENT UNDER 37 CFR 1.56

SIR:

This paper is to bring to the attention of the PTO the following commonly owned copending U.S. applications, all of which are related in different respects to organic electronic devices and/or method of making such devices such as transistors, diodes, integrated circuits and the like. Many of these applications also have one or more common inventors. The enclosed PTO 1449 lists these applications. It is respectfully requested that the Examiner consider and make of record all of the cited applications listed on the attached PTO 1449.

| <u>Application No.</u> | <u>Title</u> | <u>Inventors</u> | <u>Atty. Dkt. No.</u> |
|------------------------|--|---------------------|-----------------------|
| | | | |
| 10/332,140 | Method for the Production and Configuration of Organic Field-Effect Transistors (OFET) | Adolf Bernds et al. | 411000-103 |

| | | | |
|------------|---|-------------------------|------------|
| 10/344,951 | Organic Field-Effect Transistor (OFET), A Production Method Therefor, An Integrated Circuit Constructed From the Same and Their Uses | Adolf Bernds et al. | 411000-99 |
| 10/362,932 | Organic Field Effect Transistor, Method for Structuring an OFET and Integrated Circuit | Adolf Bernds et al | 411000-110 |
| 10/380,113 | Organic Rectifier, Circuit, RFID Tag and Use of an Organic Rectifier | Adolf Bernds et al. | 411000-106 |
| 10/380,206 | Organic Memory, Identification Marker (RFID-TAG) with Organic Memory and Uses of an Organic Memory | Adolf Bernds et al. | 411000-102 |
| 10/381,032 | Electrode and/or Conductor Track for Organic Components and Production Method Thereof | Adolf Bernds et al. | 411000-105 |
| 10/433,959 | Organic Field Effect Transistor, Method For Structuring an OFET and Integrated Circuit | Adolf Bernds | 411000-108 |
| 10/433,961 | Device For Detecting and/or Transmitting at Least One Environmental Influence, Method for Producing Said Device and Use Thereof | Wolfgang Clemens et al. | 411000-111 |
| 10/467,636 | Organic Field Effect Transistor With a Photostructured Gate Dielectric, Method for the Production and Use Thereof in Organic Electronics | Adolf Bernds et al. | 411000-104 |
| 10/473,050 | Device With At Least Two Organic Electronic Components and Method for Producing the Same | Adolf Bernds et al. | 411000-113 |
| 10/479,234 | Organic Field Effect Transistor, Method for Production and Use Thereof in the Assembly of Integrated Circuits | Adolf Bernds et al. | 411000-101 |
| 10/479,238 | Method For Producing Conductive Structures by Means of Printing Technique, and Active Components Produced Therefrom For Integrated Circuits | Adolf Bernds et al. | 411000-100 |
| 10/492,922 | Insulator for An Organic Electronic Component | Erwann Guillet et al. | 411000-115 |
| 10/492,923 | Electronic Unit, Circuit Design for the Same and Production Method | Wolfgang Clemens et al. | 411000-114 |
| 10/498,610 | Organic Field Effect Transistor with Offset Threshold Voltage and the Use Thereof | Walter Fix et al. | 411000-119 |
| 10/508,640 | Logic Component Comprising Organic Field Effect Transistors | Walter Fix et al. | 411000-120 |

| | | | |
|------------|---|-------------------------|------------|
| 10/508,737 | Device and Method for Laser Structuring Functional Polymers and | Adolf Bemds et al. | 411000-121 |
| 10/517,750 | Substrate for an Organic Field Effect Transistor, Use of the Substrate, Method of Increasing the Charge Carrier Mobility and Organic Field Effect Transistor (OFET) | Wolfgang Clemens et al. | 411000-122 |
| 10/523,216 | Electronic Component Comprising Predominantly Organic Functional Materials And A Process For The Production Thereof | Adolf Bemds et al. | 411000-123 |
| 10/523,487 | Electronic Device | Wolfgang Clemens et al. | 411000-124 |
| 10/524,646 | Organic Component for Overvoltage Protection and Associated Circuit | Walter Fix et al. | 411000-127 |
| 10/533,756 | Organic Electronic Component with High-Resolution Structuring and Process for the Production Thereof | Wolfgang Clemens et al. | 411000-128 |
| 10/534,678 | Measuring Apparatus for Determining an Analyte in a Liquid Sample | Wolfgang Clemens et al. | 411000-129 |
| 10/535,448 | Organic Electronic Component Comprising Semi-Conductive Functional Layer and Method for Producing Said Component | Wolfgang Clemens et al. | 411000-131 |
| 10/535,449 | Organic Electronic Component Comprising the Same Organic Material for at Least Two Functional Layers | Adolf Bemds et al. | 411000-132 |
| 10/344,926 | An Electronic Circuit Having an Encapsulated Organic-Electronic Component, and a Method for Making an Encapsulated Organic-Electronic Component | Wolfgang Clemens et al. | 411000-133 |
| 10/541,815 | Organo-Resistive Memory Unit | Axel Gerlt et al. | 411000-136 |
| 10/541,956 | Board or Substrate for an Organic Electronic Device and Use Thereof | Wolfgang Clemens et al. | 411000-137 |
| 10/541,957 | Organic Field Effect Transistor And Integrated Circuit | Walter Fix et al. | 411000-138 |
| 10/543,561 | Organic Storage Component and Corresponding Triggering Circuit | Wolfgang Clemens et al. | 411000-139 |
| 10/542,678 | Organic Electronic Component and Method For Producing Organic Electronic Devices | Adolf Bemds et al. | 411000-140 |
| 10/542,679 | Use of Conductive Carbon Black/Graphite Mixtures for the Production of Low-Cost Electronics | Adolf Bemds et al. | 411000-141 |

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

FIRST CLASS CERTIFICATE

I hereby certify that this correspondence is being deposited on the date set forth below with the U.S. Postal Service as First Class Mail, postage prepaid, in an envelope addressed to:

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


Janice Spedel

Sept. 21, 2005
Date

Respectfully submitted,
Wolfgang Clemens et al.


William Squire
Reg. No. 25,378
CARELLA, BYRNE, BAIN, GILFILLAN,
CECCHI, STEWART & OLSTEIN
5 Becker Farm Road
Roseland, NJ 07068
Tel: (973)994-1700
Fax: (973)994-1744

#269760

#262012



PTO/SB/08a
(08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. Department of Commerce

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/535,448 |
| Filing Date | May 19, 2005 |
| First Named Inventor | Wolfgang Clemens |
| Group Art Unit | Not assigned |
| Examiner Name | Not assigned |
| Attorney Docket Number | 411000-131 |

Sheet 1

2

U.S. PATENT DOCUMENTS

| Examiner Initial* | Cite No. ¹ | Document Number Number-Kid Code ² (if known) | Publication- Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-------------------|-----------------------|--|---------------------------------|--|---|
| | 103 | US-6,852,583 | 10/09/2003 | Adolf Bernds et al. | See accompanying Disclosure Statement filed herewith |
| | 102 | US-6,903,958 | 03/21/2002 | Adolf Bernds et al. | |
| | 133 | US-10/344,926 | 02/12/2004 | Adolf Bernds et al. | |
| | 99 | US-10/344,951 | 02/12/2004 | Adolf Bernds et al. | |
| | 110 | US-10/362,932 | 10/02/2003 | Adolf Bernds et al. | |
| | 106 | US-10/380,113 | 09/25/2003 | Adolf Bernds et al. | |
| | 105 | US-10/381,032 | 02/12/2004 | Adolf Bernds et al. | |
| | 108 | US-10/433,959 | 04/01/2004 | Adolf Bernds | |
| | 111 | US-10/433,961 | 04/01/2004 | Wolfgang Clemens et al. | |
| | 109 | US-10/451,108 | 05/13/2004 | Mark Giles et al. | |
| | 104 | US-10/467,636 | 11/04/2004 | Adolf Bernds et al. | |
| | 113 | US-10/473,050 | 05/20/2004 | Adolf Bernds et al. | |
| | 101 | US-10/479,234 | 12/30/2004 | Adolf Bernds et al. | |
| | 100 | US-10/479,238 | 10/20/2004 | Adolf Bernds et al. | |
| | 115 | US-10/492,922 | 03/03/2005 | Erwann Bullet et al. | |
| | 114 | US-10/492,923 | 12/23/2004 | Wolfgang Clemens et al. | |
| | 119 | US-10/498,610 | N/A | Walter Fix et al. | |
| | 120 | US-10/508,640 | N/A | Walter Fix et al. | |
| | 121 | US-10/508,737 | N/A | Adolf Bernds et al. | |
| | 122 | US-10/517,750 | N/A | Wolfgang Clemens et al. | |
| | 123 | US-10/523,216 | N/A | Adolf Bernds et al. | |
| | 124 | US-10/523,487 | N/A | Wolfgang Clemens et al. | |
| | 127 | US-10/524,646 | N/A | Walter Fix et al. | |
| | 128 | US-10/533,756 | N/A | Wolfgang Clemens et al. | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

| | | | | | |
|--------------------|-----|-----------------|-----|-------------------------|--|
| | 129 | US-10/534,678 | N/A | Wolfgang Clemens et al. | |
| | 131 | 10/535,448 | N/A | W. Clemens et al. | |
| | 132 | 10/535,449 | N/A | Walter Fix et al. | |
| | 136 | US-10/541,815 | N/A | Axel Gertt et al. | |
| | 137 | US-10/541,956 | N/A | Wolfgang Clemens et al. | |
| | 138 | US10/541,957 | N/A | Walter Fix et al. | |
| | 139 | US-10/543,561 | N/A | Wolfgang Clemens et al. | |
| | 140 | US-10/542,678 | N/A | Adolf Bernds et al. | |
| | 141 | US-10/542,679 | N/A | Adolf Bernds et al. | |
| Examiner Signature | | Date Considered | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

#269763



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Wolfgang Clemens
SERIAL NO: 10/535,448 GROUP ART UNIT: Not assigned
FILED: May 19, 2005 EXAMINER: Not assigned
CUSTOMER NO.: 27162
FOR: Organic Electronic Component Comprising A Semiconductive Functional Layer and a Method for Producing Said Component
ATTY/DKT NO.: 411000-131

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

Pursuant to 37 C.F.R. §1.56(a), Applicant(s) hereby cite(s) the enclosed documents listed on the attached copy of Form PTO-1449 which are believed to be material to the patentability of the above-identified application.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 indicated below:

- X §1.97(b) This Information Disclosure Statement is filed:
- (1) Within three months of the filing date of a national application; OR
 - (2) Within three months of the date of entry of the national stage of an international application; OR
 - (3) Before the mailing of a first Office Action on the merits. No fee or statement is required.

 §1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action or under 37 CFR §1.113; OR

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

(2) A Notice of Allowance under 37 CFR §1.311; AND

is accompanied by either: (check one)

____ The statement as specified in 37 CFR §1.97(e) set out below; OR

____ The fee of \$180.00 under 37 CFR §1.17(p).

____§1.97(d) This Information Disclosure Statement is filed after the mailing date of either:

(1) a Final Action or under 37 CFR §1.113; OR

(2) A Notice of Allowance under 37 CFR §1.311;

BUT filed on or before payment of the Issue Fee; AND

is accompanied by:

(1) The statement as specified in 37 CFR §1.97(e) as set forth below; AND

(2) Petition is hereby made under 37 CFR §1.97(d) for consideration of this Information Disclosure Statement; AND,

(3) The petition fee of \$180.00 set out in 37 CFR §1.17(i).

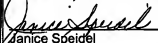
____§1.97(e) The undersigned Attorney hereby states that:

____ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement;
or

____ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

The relevancy of the cited patents, the foreign language and other documents listed on the attached PTO 1449 is that these documents were cited in the copending applications noted in the accompanying Disclosure Statement, or were cited in a foreign application that may have subject matter generally related to the subject matter of one or more of the cited copending applications.

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

| | |
|--|-------------------------------|
| FIRST CLASS CERTIFICATE | |
| I hereby certify that this correspondence is being deposited today with the U.S. Postal Service as First Class Mail in an envelope addressed to: | |
| MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 | |
|  Janice Speidel | <u>Sept. 21, 2005</u> Date |

#269758

Respectfully submitted,
Wolfgang Clemens et al.


William Squire
Reg. No. 25,378
CARELLA, BYRNE, BAIN, GILFILLAN,
CECCHI, STEWART & OLSTEIN
5 Becker Farm Road
Roseland, NJ 07068
Tel: (973)994-1700
Fax: (973)994-1744

| | | | | | |
|---|---|----------------------|----|-----------------------------------|--|
| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Application Number | | 10/535,448 | |
| | | Filing Date | | May 19, 2005 | |
| | | First Named Inventor | | Wolfgang Clemens | |
| | | Group Art Unit | | Not assigned | |
| | | Examiner Name | | Not assigned | |
| Sheet | 1 | Of | 11 | Attorney Docket Number 411000-131 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|---------------------------------|--|--|
| Examiner Initial* | Cite No. ¹ | Document Number Number-Kid Code ² (If known) | Publication- Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | US-2002/0022284 | 02-21-2002 | Heeger | See IDS Letter and Disclosure Statement filed herewith for relevancy |
| | | US-2002/0053320 | 05-09-2002 | Duthaler | |
| | | US-2002/0056839 | 05-16-2002 | Joo et al. | |
| | | US-2002/0068392 | 06-06-2002 | Lee et al. | |
| | | US-2002/0170697 | 11-21-2002 | Hall | |
| | | US-2002/0018911 | 02-00-2002 | Bernius et al. | |
| | | US-2002/0195644 | 12-26-2002 | Dodabalapur et al. | |
| | | US-2002/025391 | 02-28-2002 | Angelopoulos | |
| | | US-2002/130042 | 09-19-2002 | Moerman et al. | |
| | | US-2003/0112576 | 06-19-2003 | Brewer et al. | |
| | | US-2003/059987 | 03-27-2003 | Sirringhaus et al. | |
| | | US-2004/0002176 | 0101-2004 | Xu | |
| | | US-2004/0013982 | 01-00-2004 | Jacobson et al. | |
| | | US-2004/0026689 | 02-00-2004 | Bernds et al. | |
| | | US-2004/0084670 | 05-06-2004 | Tripsas et al. | |
| | | US-2004/0211329 | 10-00-2004 | Funahata et al. | |
| | | US-3,512,052 | 12-12-1970 | MacIver et al. | |
| | | US-3,769,096 | 10-30-1973 | Ashkin | |
| | | US-3,955,098 | 05-04-1976 | Kawamoto | |
| | | US-4,302,648 | 11-24-1981 | Sado et al. | |
| | | US-4,442,019 | 04-19-1984 | Marks | |
| | | US-4,926,052 | 05-15-1990 | Hatayama | |
| | | US-4,865,197 | 09-12-1989 | Craig | |
| | | US-5,173,835 | 12-22-1992 | Comett et al. | |
| | | US-5,206,525 | 04-27-1993 | Yamamoto et al. | |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

11

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/535,448 |
| Filing Date | May 19, 2005 |
| First Named Inventor | Wolfgang Clemens |
| Group Art Unit | Not assigned |
| Examiner Name | Not assigned |
| Attorney Docket Number | 411000-131 |

| | | | | |
|--|--------------|------------|--------------------|--|
| | US-5,259,926 | 11-09-1993 | Kuwabara et al. | |
| | US-5,321,240 | 06-14-1994 | Takhira | |
| | US-5,347,144 | 09-13-1994 | Garnier et al. | |
| | US-5,395,504 | 03-07-1995 | Saurer et al. | |
| | US-5,480,839 | 01-02-1996 | Ezawa et al. | |
| | US-5,486,851 | 01-23-1996 | Gehner et al. | |
| | US-5,502,396 | 03-26-1996 | Desarzens | |
| | US-5,546,889 | 08-20-1999 | Wakita et al. | |
| | US-5,569,879 | 10-29-1996 | Gloton et al. | |
| | US-5,574,291 | 11-12-1996 | Dodabalapur et al. | |
| | US-5,578,513 | 11-00-1996 | Maegawa | |
| | US-5,580,794 | 12-03-1996 | Allen | |
| | US-5,629,530 | 05-13-1997 | Brown et al. | |
| | US-5,630,986 | 05-20-1997 | Charlton et al. | |
| | US-5,652,645 | 07-29-1997 | Jain | |
| | US-5,691,089 | 11-25-1997 | Smayling | |
| | US-5,729,428 | 03-17-1998 | Sakata et al. | |
| | US-5,854,139 | 12-29-1998 | Kondo et al. | |
| | US-5,869,972 | 02-09-1999 | Birch et al. | |
| | US-5,946,551 | 08-31-1999 | Dimitrakopoulos | |
| | US-5,967,048 | 10-19-1999 | Fromson et al. | |
| | US-5,970,318 | 10-19-1999 | Choi et al. | |
| | US-5,973,598 | 10-26-1999 | Beigel | |
| | US-5,997,817 | 12-07-1999 | Crismore et al. | |
| | US-6,036,919 | 03-14-2000 | Thym et al. | |
| | US-6,045,977 | 04-04-2000 | Chandross et al. | |
| | US-6,060,338 | 05-09-2000 | Tanaka et al. | |
| | US-6,083,104 | 07-04-2000 | Choi Kei Fung | |
| | US-6,087,196 | 07-11-2000 | Sutrm et al. | |
| | US-6,133,835 | 10-17-2000 | DeLeeuw et al. | |
| | US-6,207,472 | 03-27-2001 | Calligari et al. | |
| | US-6,215,130 | 04-00-2001 | Dodabalapur | |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | | | | | |
|-------|---|--|----|------------------------|------------------|
| Sheet | 3 | | 11 | Application Number | 10/535,448 |
| | | | | Filing Date | May 19, 2005 |
| | | | | First Named Inventor | Wolfgang Clemens |
| | | | | Group Art Unit | Not assigned |
| | | | | Examiner Name | Not assigned |
| | | | | Attorney Docket Number | 411000-131 |

| | | | | | |
|--|--|--------------|------------|------------------------|--|
| | | US-6,251,513 | 06-26-2001 | Rector et al. | |
| | | US-6,284,562 | 09-00-2001 | Batlogg et al. | |
| | | US-6,300,141 | 10-09-2001 | Segal et al. | |
| | | US-6,321,571 | 11-27-2001 | Themont et al. | |
| | | US-6,322,736 | 11-00-2001 | Bao | |
| | | US-6,335,539 | 10-19-1999 | Dimitrakopoulos et al. | |
| | | US-6,340,822 | 01-22-2002 | Brown et al. | |
| | | US-6,403,396 | 06-11-2002 | Gudesen et al. | |
| | | US-6,429,450 | 08-06-2002 | Mutsaers et al. et al. | |
| | | US-6,517,955 | 02-00-2005 | Jacobsen et al. | |
| | | US-6,852,583 | 02-08-2005 | Bernds et al. | |
| | | US-6,903,958 | 06-07-2005 | Bernds et al. | |
| | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial* | Cite No. ¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|-------------------|-----------------------|---|--------------------------------|---|--|----------------|
| | | DE 33 38 597 | 05-02-1985 | GAO Gesellschaft | | |
| | | DE 100 06 257 | 09-14-2000 | IBM | | |
| | | DE 100 12 204 (title page only) | 09-20-2001 | Siemens | | |
| | | DE 100 33 112 (title page only) | 01-24-2002 | Siemens | | |
| | | DE 100 43 204 | 04-04-2002 | Siemens | | |
| | | DE 100 45 192 | 04-04-2002 | Siemens AG | | |
| | | DE 100 47 171 | 04-18-2002 | Siemens AG | | |
| | | DE 100 58 559 | 05-29-2002 | Interactive Biotech. | | |
| | | DE 100 61 297 (title page only) | 06-27-2002 | Siemens | | |
| | | DE 101 17 663 | 10-17-2002 | Samsung SDI Co. | | |
| | | DE 101 20 687 | 10-31-2002 | Siemens AG | | |
| | | DE 102 19 905 | 12-04-2003 | Osram Opto Semicond. | | |
| | | DE 198 16 880 | 11-18-1999 | Deutsche Telekom | | |
| | | DE 198 52 312 (title page only) | 05-20-1999 | Nintendo Co. | | |
| | | DE 199 18 193 | 11-25-1999 | Cambridge Display | | |
| | | DE 199 21 024 (title page only) | 11-16-2000 | Eichmann | | |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4

11

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/535,448 |
| Filing Date | May 19, 2005 |
| First Named Inventor | Wolfgang Clemens |
| Group Art Unit | Not assigned |
| Examiner Name | Not assigned |
| Attorney Docket Number | 411000-131 |

| | | | | | |
|--|---------------------------------|------------|--------------------------|--|---|
| | DE 199 33 757 | 01-25-2001 | Giesecke & Devrient | | |
| | DE 199 35 527 | 02-08-2001 | Giesecke & Devrient | | |
| | DE 199 37 262 | 03-01-2001 | Siemens | | |
| | DE 424 38 32 | 06-30-1994 | Daimler-Benz | | |
| | DE 695 19 782 (title page only) | 01-03-2001 | News Datacom Ltd. | | |
| | EP 0 128 529 | 12-19-1984 | BASF | | |
| | EP 0 268 370 A2 | 05-25-1988 | Canon Kabushiki Kaisha | | X |
| | EP 0 268 370 A3 | 05-25-1988 | Canon Kabushiki Kaisha | | X |
| | EP 0 350 179 | 01-10-1990 | W & T Avery Ltd. | | X |
| | EP 0 442 123 | 08-21-1991 | Neste OY | | X |
| | EP 0 460 242 | 12-11-1991 | Nippon Petrochemicals | | X |
| | EP 0 501 456 A2 | 09-02-1992 | Sony | | X |
| | EP 0 501 456 A3 | 09-02-1992 | Sony | | X |
| | EP 0 511 807 | 11-04-1992 | GEC Avery Ltd. | | X |
| | EP 0 528 662 | 02-24-1993 | Kabushiki Kaisha Toshiba | | X |
| | EP 0 615 256 | 09-23-1998 | Koninklijke Philips | | |
| | EP 0 685 985 | 12-06-1995 | Hitachi Metals | | X |
| | EP 0 716 458 | 06-12-1996 | AT&T Corp. | | X |
| | EP 0 785 578 A2 | 07-23-1997 | AT & T Corp. | | |
| | EP 0 785 578 A3 | 07-23-1997 | AT & T Corp. | | |
| | EP 0 962 984 | 12-08-1999 | Lucent Technologies | | X |
| | EP 0 966 182 | 12-22-1999 | LG Electronics | | X |
| | EP 0 979 715 | 02-16-2000 | Adolf Illig Maschinenbau | | |
| | EP 0 981 165 | 02-23-2000 | Lucent Technologies | | X |
| | EP 0 989 614 A2 | 03-29-2000 | Sel Semiconductor | | X |
| | EP 1 048 912 | 11-02-2000 | Miele & Cie | | |
| | EP 1 052 594 | 11-15-2000 | Sokymat S.A. | | |
| | EP 1 065 725 A2 | 01-03-2001 | Sel Semiconductor | | X |
| | EP 1 065 725 A3 | 01-03-2001 | Sel Semiconductor | | X |
| | EP 1 083 775 | 03-14-2001 | Seiko Epson | | |
| | EP 1 102 335 A2 | 05-23-2001 | Lucent Technologies | | X |
| | EP 1 103 916 (title page only) | 05-30-2001 | Infonson Technologies | | |
| | EP 1 104 035 A2 | 05-30-2001 | Lucent Technologies | | X |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

| | | | |
|--|---|--------------------------|------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Application Number | 10/535,448 |
| | | Filing Date | May 19, 2005 |
| | | First Named Inventor | Wolfgang Clemens |
| | | Group Art Unit | Not assigned |
| | | Examiner Name | Not assigned |
| (Use as many sheets as necessary) | | Attorney Docket Number | 411000-131 |
| Sheet | 5 | 11 | |

| | | | | |
|--|--------------------------------|------------|-------------------------------------|---|
| | EP 1 134 694 | 09-19-2001 | Infinion Technologies | |
| | EP 1 224 999 (title page only) | 07-24-2002 | Sumitomo Heavy Ind. | X |
| | EP 1 237 207 | 09-04-2002 | Fuji Photo Film Co. | X |
| | EP 1 318 084 | 06-11-2003 | Nippon Sanso Corp. | |
| | FR2793089 | 11-03-2000 | Liger Rene | |
| | GB 2 058 462 | 04-08-1981 | Shin-Etsu Polymer Co. | X |
| | GB 723,598 | 02-09-1955 | N V Philips Gloeilampenfabrieken | X |
| | GR2001P03239 (not available) | | | |
| | GR2001P20024 (not available) | | | |
| | JP 01169942 (abstract) | 07-05-1989 | Hitachi Ltd. | X |
| | JP 05152560 (abstract) | 06-18-1993 | Sumitomo Chem Co. | |
| | JP 05259434 | 10-05-1993 | Nisha Printing | X |
| | JP 05347422 | 12-27-1993 | Fujitsu Ltd. | X |
| | JP 08197788 (abstract) | 08-06-1995 | Hitachi Koki | X |
| | JP 09083040 | 03-28-1997 | Charp Corp. | |
| | JP 09320760 | 12-12-1997 | Matsushita Electric Ind. | |
| | JP 10026934 | 01-27-1998 | Toshiba Chem. Corp. | |
| | JP 2001085272 (abstract) | 03-30-2001 | Matsushita Electric Ind. | X |
| | JP 362065477A | 03-24-1987 | Toshiba | X |
| | JP 54069392 (abstract) | 06-04-1979 | NEC Corp. | X |
| | JP 60117769 (abstract) | 06-25-1985 | Fujitsu Ltd. | |
| | JP 61001060 (abstract) | 01-07-1986 | Hitachi Koki | X |
| | JP 61167854 (abstract) | 07-29-1986 | Murata Mfg. Co. Ltd. | X |
| | WO 00/33063 | 06-08-2000 | Moorledge Biotech | X |
| | WO 00/36666 | 06-22-2000 | E Ink Corp. | X |
| | WO 00/79617 | 12-28-2000 | Cambridge University | X |
| | WO 01/03126 | 01-11-2001 | Regents of U. of CA | X |
| | WO 01/06442 | 01-25-2001 | Yip | X |
| | WO 01/08241 | 02-01-2001 | E Ink Corporation | X |
| | WO 01/15233 | 03-01-2001 | Koninklijke Philips | X |
| | WO 01/17029 | 03-08-2001 | E Ink Corp. | X |
| | WO 01/17041 | 03-08-2001 | E Ink Corp. | X |
| | WO 01/27998 | 04-19-2001 | Koninklijke Philips | X |
| | WO 01/46987 | 06-28-2001 | Plastic Logic Ltd. | |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 6

11

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/535,448 |
| Filing Date | May 19, 2005 |
| First Named Inventor | Wolfgang Clemens |
| Group Art Unit | Not assigned |
| Examiner Name | Not assigned |
| Attorney Docket Number | 411000-131 |

| | | | | | |
|--|-----------------|------------|------------------------|--|---|
| | WO 01/47044 A2 | 06-28-2001 | Plastic Logic Limited | | X |
| | WO 01/47044 A3 | 06-28-2001 | Plastic Logic Limited | | X |
| | WO 01/47045 | 06-28-2001 | Plastic Logic | | X |
| | WO 01/73109 A2 | 10-24-2001 | Iverness Medical | | X |
| | WO 01/73109 A3 | 10-24-2001 | Iverness Medical | | X |
| | WO 02/05360 | 01-17-2002 | Siemens AK | | X |
| | WO 02/05361 | 01-17-2002 | 3M Innovative Prop. | | X |
| | WO 02/06557 A1 | 08-22-2002 | Siemens | | |
| | WO 02/071139 | 09-12-2002 | Acreo AB | | X |
| | WO 02/071505 | 09-12-2002 | Acreo AB | | x |
| | WO 02/076924 | 10-03-2002 | Nishinbo Industries | | |
| | WO 02/091495 | 11-14-2002 | Coatue Corp. | | X |
| | WO 02/095805 A2 | 11-28-2002 | Plastic Logic Limited | | X |
| | WO 02/095805 A3 | 11-28-2002 | Plastic Logic Limited | | X |
| | WO 02/099907 | 12-12-2002 | Siemens | | X |
| | WO 02/099908 | 12-12-2002 | Siemens | | |
| | WO 02/15264 | 02-21-2002 | Siemens AK | | |
| | WO 02/19443 | 03-07-2002 | Siemens | | |
| | WO 02/29912 | 04-11-2002 | Cambridge University | | X |
| | WO 02/43071 | 05-30-2002 | Thin Film Electronics | | X |
| | WO 02/47183 | 06-13-2002 | Siemens | | |
| | WO 03/046922 | 06-05-2003 | Infineon Technologies | | |
| | WO 03/067680 | 08-14-2003 | Canon Kabushiki Kaisha | | X |
| | WO 03/069552 | 08-21-2003 | Rafsec Oy | | X |
| | WO 03/081671 | 10-02-2003 | Siemens AK | | |
| | WO 03/095175 | 11-20-2003 | ZBD Displays Ltd. | | |
| | WO 04/042837 A2 | 05-21-2004 | Siemens | | X |
| | WO 04/042837 A3 | 05-21-2004 | Siemens | | |
| | WO 04/047144 A2 | 06-03-2004 | Siemens | | |
| | WO 04/047144 A3 | 06-03-2004 | Siemens | | |
| | WO 04/7194 A2 | 06-03-2004 | Siemens | | |
| | WO 04/7194 A3 | 06-03-2004 | Siemens | | |
| | WO 2004/032257 | 04-15-2004 | Leonhard Kurz GmbH | | |
| | WO 2004/083859 | 09-30-2004 | Platform Diagnostics | | |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

| | | | |
|--|---|--------------------------|------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Application Number | 10/535,448 |
| | | Filing Date | May 19, 2005 |
| | | First Named Inventor | Wolfgang Clemens |
| | | Group Art Unit | Not assigned |
| | | Examiner Name | Not assigned |
| Sheet | 7 | | 11 |
| | | Attorney Docket Number | 411000-131 |

| | | | | | |
|--|-------------------------------|------------|-------------------------|--|---|
| | WO 93/16491 | 08-19-1993 | Kopin Corp. | | X |
| | WO 94/17556 | 08-04-1994 | FCI-Fiberchem | | X |
| | WO 95/06240 | 03-02-1995 | Metrika Laboratories | | X |
| | WO 95/31831 (title page only) | 11-23-1995 | Philips Electronics | | X |
| | WO 96/02924 | 02-01-1996 | Oryx Techn Corp. | | X |
| | WO 96/19792 | 06-27-1996 | Trustees of Princeton | | |
| | WO 97/12349 | 04-03-1997 | DeRivaz | | X |
| | WO 97/18944 | 05-29-1997 | Gov't of USA | | X |
| | WO 98/18156 | 04-30-1998 | Steag Microtech | | |
| | WO 98/18186 (title page only) | 04-30-1998 | Erico Lightning | | X |
| | WO 98/40930 | 09-17-1998 | Precision Dynamics | | X |
| | WO 99/07189 | 02-11-1999 | Cambridge | | X |
| | WO 99/10929 (title page only) | 03-04-1999 | Koninklijke Philips | | X |
| | WO 99/10939 | 03-04-1999 | Koninklijke Philips | | X |
| | WO 99/21233 | 04-29-1999 | Regents of U California | | X |
| | WO 99/40631 | 08-12-1999 | Opticom USA | | X |
| | WO 99/53371 | 10-21-1999 | E Ink Corp. | | |
| | WO 99/54936 | 10-28-1999 | Cambridge Display | | X |
| | WO 99/54936 Corrected Version | 10-28-1999 | Cambridge Display | | |
| | WO 99/66540 | 12-23-1999 | Opticom ASA | | X |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

| | | | | | | | | | | | | | | | |
|---|------------------|--|----|--------------------|------------|-------------|--------------|----------------------|------------------|----------------|--------------|---------------|--------------|------------------------|------------|
| Substitute for form 1449A/PTO <div style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div style="text-align: center;">(Use as many sheets as necessary)</div> | | <div style="text-align: right;">Complete if Known</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">10/535,448</td> </tr> <tr> <td>Filing Date</td> <td>May 19, 2005</td> </tr> <tr> <td>First Named Inventor</td> <td>Wolfgang Clemens</td> </tr> <tr> <td>Group Art Unit</td> <td>Not assigned</td> </tr> <tr> <td>Examiner Name</td> <td>Not assigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>411000-131</td> </tr> </table> | | Application Number | 10/535,448 | Filing Date | May 19, 2005 | First Named Inventor | Wolfgang Clemens | Group Art Unit | Not assigned | Examiner Name | Not assigned | Attorney Docket Number | 411000-131 |
| Application Number | 10/535,448 | | | | | | | | | | | | | | |
| Filing Date | May 19, 2005 | | | | | | | | | | | | | | |
| First Named Inventor | Wolfgang Clemens | | | | | | | | | | | | | | |
| Group Art Unit | Not assigned | | | | | | | | | | | | | | |
| Examiner Name | Not assigned | | | | | | | | | | | | | | |
| Attorney Docket Number | 411000-131 | | | | | | | | | | | | | | |
| Sheet | 8 | Of | 11 | | | | | | | | | | | | |

| NON-PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|----------|--|---|
| Examiner Initial | Cite No. | Reference | |
| | | ASSADI A, et al., "Field-Effect Mobility of Poly (3-Hexylthiophene) Dept. of Physics and Measurement Technology, Received 3 March 1988; accepted for Publication 17 May 1988 | X |
| | | BAO, Z. et al., "High-Performance Plastic Transistors Fabricated by Printing Techniques", Chem. Mater. Vol. 9, No. 6, 1997, pp 1299-1301. | X |
| | | BRABEC, C.J. et al., "Photoinduced FT-IR spectroscopy and CW-photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix", Solar Energy Materials and Solar Cells, 2000 Elsevier Science B.V., pages 19-33. | X |
| | | BRABEC, C.J. et al., "Photovoltaic properties of a conjugated polymer/methanofullerene composites embedded in a polystyrene matrix", Journal of Applied Physics, Vol 85, No. 9, 1999, pages 6866 - 6872. | X |
| | | BRAUN D., et al., "Visible light emission from semiconducting polymer diodes", American Institute of Physics, Applied Physics Letters 58, May 6, 1991, pages 1982 - 1984. | X |
| | | BROWN, A.R. et al., "Field-effect transistors made from solution-processed organic semiconductors", Elsevier Science, S.A., Synthetic Metals 88 (1997) pp. 37-55 | X |
| | | BROWN, A.R., "Logic Gates Made from Polymer Transistors and Their Use in Ring Oscillators", Science, Vol. 270, November 10, 1995, pp 972 - 974 | X |
| | | CHEN, Shiao-Shien et al., "Deep Submicrometer Double-Gate Fully-Depleted SOI PMOS Devices: A Concise Short-Channel Effect Threshold Voltage Model Using a Quasi-2D Approach", IEEE Transaction on Electron Devices, Vol. 43, No. 9, September 1996 | X |
| | | CHEN, X.L. et al., "Morphological and Transistor Studies of Organic Molecular Semiconductors with Anisotropic Electrical Characteristics", American Chemical Society, 2001, Chem. Mater. 2001, 13, 1341-1348. | X |
| | | CLEMENS, W. et al., "Vom Organischen Transistor Zum Plastik-Chip," Physik Journal, V. 2, 2003, pp. 31-36. | |
| | | COLLET J. et al., "LOW VOLTAGE, 30 NM CHANNEL LENGTH, ORGANIC TRANSISTORS WITH A SELF-ASSEMBLED MONOLAYER AS GATE INSULATING FILMS; APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, Bd 76, Nr. 14, 3. april 2000 (2000-04-03), Seiten 1941-1943, XP000950589, ISSN:0003-6951, das ganze Dokument | X |
| | | CRONE, B. ET AL., "Large-scale complementary Integrated circuits based on Organic transistors", Nature, Vol. 403, Feb. 3, 2000, PP. 521 - | X |
| | | DAI, L. et al., "Photochemical Generation of Conducting Patterns in Polybutadiene Films; Macromolecules, Vol. 29, No. 1, 1996, pages 282-287, XP 001042019, the whole document | X |
| | | DAI, L. et al., "I ₂ -Doping" of 1,4-Polydienes", Elsevier Science S.A., Synthetic Metals 69 (1995), pp 563-566. | |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 9

11

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/535,448 |
| Filing Date | May 19, 2005 |
| First Named Inventor | Wolfgang Ciemens |
| Group Art Unit | Not assigned |
| Examiner Name | Not assigned |
| Attorney Docket Number | 411000-131 |

| | | |
|--|---|---|
| | DAI, L. et al., "Conjugation of Polydienes by Oxidants Other Than Iodine", Elsevier Science S.A., Synthetic Metals 86 (1997) 1893-1894. | |
| | DE LEEUW D.M. et al., "Polymeric integrated circuits and light-emitting diodes", Electron Devices Meeting, 1997. Technical Digest, International, Washington, DC, USA 7-10 Dec. 1997, New York, NY, USA, IEEE, US 7 December 1997. | X |
| | DODABALAPUR, A. et al., "Organic smart pixels", American Institute of Physics, Applied Physics Letters, Vol. 73, No. 2, July 13, 1998, pp. 142 - 144. | X |
| | FICKER, J. et al., "Dynamic and Lifetime Measurements of Polymer OFETs and Integrated Plastic Circuits", Proc. of SPIE, v. 466, 2001, pp. 95-102 | X |
| | FIX, W. et al., "Fast Polymer Integrated Circuits Based on a Polyfluorene Derivative", ESSDERC 2002, 2002, pp. 527-529. | X |
| | FIX, W., et al., "Fast polymer integrated circuits", American Institute of Physics, Applied Physics Letters, Vol. 81, No. 89, August 2002, pp. 1735-1737. | X |
| | Fraunhofer Magazin- Polytronic Chips Von der Rolle, 4.2001, Pages 8-13 | |
| | GARNIER F et al.; "Vertical Devices Architecture By Molding Of Organic-Based Thin Film Transistor", Applied Physics Letters, American Institute Of Physics. XP000784120, issn: 0003-6951 abblidung 2 | X |
| | GARNIER et al., "Conjugated Polymers and Oligomers as Active Material For Electronic Devices", Synthetic Metals, Vol. 28, 1989 | X |
| | GELINCK, G.H. et al., "High-Performance All-Polymer Integrated Circuits", Applied Physics Letters, v. 77, 2000, pp. 1487-1489. | X |
| | GOSAIN, D.P., "Excimer laser crystallized poly-Si TFT's on plastic substrates", Second International Symposium on Laser Precision Microfabrication, May 16-18, 2001, Singapore, Vol. 4426, pages 394 - 400. | X |
| | HALLS, J.J. M., et al., "Efficient photodiodes from interpenetrating polymer networks", Nature, Vol. 376, August 10, 1995, pp. 498 - 500. | X |
| | HARSANYI G. ET AL., "Polytronics for biogtronics: unique possibilities of polymers in biosensors and BioMEMS", IEEE Polytronic 2002 Conference, June 23, 2002, pages 211-215 | |
| | HEBNER, T.R. et al., "Ink-jet printing of doped polymers for organic light emitting devices", American Institute of Physics, Applied Physics Letters, Vol. 72, no. 5, February 2, 1998, pages 519-521. | X |
| | HWANG J D et al.; "A Vertical Submicron Sic thin film transistor", Solid State Electronics, Elsevier Science Publishers, Barking, GB, Bd. 38, NR. 2.1. February 1995 (1995-02-01), Seiten 275-278, XP004014040, ISSN:0038-1101, Abblidung 2 | X |
| | IBM Technical Disclosure Bulletin, "Short-Channel Field-Effect Transistor", IBM Corp., New York, US, Bd. 32, Nr. 3A, 1. August 1989 (1989-08-01), Seiten 77-78, XP000049357, ISSN:0018-8689, das ganze Dokument | X |
| | KAWASE, T. et al., "Inkjet Printed Via-Hole Interconnections and Resistors for All-Polymer Transistor Circuits", Advanced Materials 2001, 13, No. 21, November 2, 2001, pp 1601 - 1605. | |
| | KLAUK, H. et al., "Fast Organic Thin Film Transistor Circuits", IEEE Electron Device Letters, Vol. 20, no. 6, pages 289-291 | X |
| | KLAUK, H. et al., "Pentacene Thin Film Transistors and Inverter Circuits", 1997 International Electron Devices Meeting Technical Digest, pages 539-542, December 1997 | X |

/Asok Kumar Sarkar/ (01/31/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 10

11

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/535,448 |
| Filing Date | May 19, 2005 |
| First Named Inventor | Wolfgang Clemens |
| Group Art Unit | Not assigned |
| Examiner Name | Not assigned |
| Attorney Docket Number | 411000-131 |

| | | | |
|--|--|---|---|
| | | KNOBLOCH, A. et al., "Printed Polymer Transistors", Proc. Polytronic, v. 84, 2001, pp. 84-89 | X |
| | | KOBEL W. et al., "Generation of Micropatterns in Poly (3-Methyl-Thiophene) Films Using Microolithography: A First Step in the Design of an All-Organic Thin-Film Transistor" Synthetic Metals, V. 22, 1988, pp. 265-271. | X |
| | | KOEZUKA, H. et al., "Macromolecular Electronic Device", Mol. Cryst. Liq. Cryst. 1994, Vol. 2555, pp. 221-230. | |
| | | KUMAR, Anish et al., "Kink-Free Polycrystalline Silicon Double-Gate Elevated-Channel Thin-Film Transistors", IEEE Transactions on Electron Devices, Vol. 45, No. 12, December 1998 | X |
| | | LIDZEY, D. G. et al., "Photoprocessed and Micropatterned Conjugated Polymer LEDs", Synthetic Metals, V. 82, 1996, pp. 141-148 | X |
| | | LOWE, J. et al., "Poly (3—(2—Acetoxyethyl)Thiophene): A Model Polymer for Acid-Catalyzed Lithography", Synthetic Metals, Elsevier Sequola, Lausanne, CH, Bd. 85, 1997, Seiten 1427-1430. | X |
| | | LU, Wen et al., "Use of Ionic Liquids for π -Conjugated Polymer Electrochemical Devices", Science, Vol 297, 2002, pages 983 – 987/ | X |
| | | LUCENT TECHNOLOGIES, "Innovation marks significant milestone in the development of electronic paper", Cambridge, MA and Murray Hill, NJ, November 20, 2000. XP-002209728. | X |
| | | MANUELLI, Alessandro et al., "Applicability of Coating Techniques for the Production of Organic Field Effect Transistors", IEEE Polytronic 2002 Conference, 2002, pp. 201-204. | X |
| | | MIYAMOTO, Shoichi et al., "Effect of LOD Structure and Channel Poly-Si Thinning on a Gate-All-Around TFT (GAT) for SRAM's, IEEE Transactions on Electron Devices. Vol. 46, No. 8, August 1999 | X |
| | | DELKRUG, D. et al., "Electronic spectra of self-organized oligothiophene films with 'standing' and 'lying' molecular units", Elsevier Science S.A., 1996, Thin Solid Films 284-270 | X |
| | | QIAO, X. et al., "The FeCl ₃ -doped poly(3-alkylthiophenes) in solid state", Elsevier Science, Synthetic Metals 122 (2001) pp 449—454. | |
| | | REDECKER, M. et al., "Mobility enhancement through homogeneous nematic alignment of a liquid-crystalline polyfluorene", 1999 American Institute of Physics, Applied Physics Letters, Vol. 74, number 10, pp. 1400-1402. | X |
| | | ROGERS J A et al., "Low-Voltage 0.1 μ m Organic Transistors and Complementary Inverter Circuits Fabricated with a Low-Cost Form of Near-Field Photolithography", Applied Physics Letters, American Institute of Physics. New York, US, Bd. 75, Nr. 7, 16. August 1999 (1999-08-16), Seiten 1010-1012, XP000934355, ISSN: 003-6951, das ganze Dokument | X |
| | | ROGERS, J. A. et al., "Printing Process Suitable for Reel-to-Reel Production of High-Performance Organic Transistors and Circuits", Advanced Materials, VCH, Verlagsgesellschaft, Weinheim, DE, Bd. 11, Nr. 9, 5. Juli 1999 (1999-07-05), Seiten 741-745, P000851834, ISSN: 0935-9648, das ganze Dokument | X |
| | | ROMAN et al., "POLYMER DIODES WITH HIGH RECTIFICATION", Applied Physics Letters, Vol. 75, No. 21, November 22, 1999 | X |
| | | ROST, Henning et al., "All-Polymer Organic Field Effect Transistors", Proc. Mat. Week, CD, 2001, pp. 1-6 | X |
| | | SANDBERG, H. et al., "Ultra-thin Organic Films for Field Effect Transistors", SPIE Vol. 4466, 2001, pp. 35 – 43. | X |
| | | SCHOEBEL, "Frequency Conversion with Organic-On-Inorganic Heterostructured Diodes", Extended Abstracts of the International Conference on Solid State Devices and Materials, September 1, 1997 | X |

/Asok Kumar Sarkar/ (01/31/2006)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

| | | | | | |
|---|----|--------------------------|------------------|------------------------|------------|
| Substitute for form 1449A/PTO | | Complete if Known | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Application Number | 10/535,448 | | |
| | | Filing Date | May 19, 2005 | | |
| | | First Named Inventor | Wolfgang Clemens | | |
| | | Group Art Unit | Not assigned | | |
| | | Examiner Name | Not assigned | | |
| Sheet | 11 | | 11 | Attorney Docket Number | 411000-131 |

| | | | |
|--------------------|--|---|-----------------|
| | | SCHROODNER M. ET AL., "Plastic electronics based on Semiconducting Polymers", First International IEEE Conference on Polymers and Adhesives in Microelectronics and Photonics, Incorporating Poly. Pep & Adhesives in Electronics. Proceedings (Cat. No. 01TH8592), First International IEEE Conference on Polymers and Adhesives in Micr, Seitenn 91 – 94. | X |
| | | SHAHEEN, S.E., et al., "Low band-gap polymeric photovoltaic devices", Synthetic Metals, Vol 121, 2001, pages 1583-1584. | X |
| | | TAKASHIMA, W. et al., Electroplasticity Memory Devices Using Conducting Polymers and Solid Polymer Electrolytes", Polymer International, Melbourne, 1992, pages 249 – 253. | |
| | | ULLMAN, A. et al., "High Performance Organic Field-Effect Transistors and Integrated Inverters", Mat. Res. Soc. Symp. Proc., v. 665, 2001, pp. 265-270. | X |
| | | VELU, G. et al. "Low Driving Voltages and Memory Effect in Organic Thin-Film Transistors With A Ferroelectric Gate Insulator", Applied Physics Letters, American Institute of Physics, New York, Vol.79, No. 5, 2001, pages 659 – 661. | |
| | | WANG, Yading et al., "Electrically Conductive Semilinterpenetrating Polymer Networks of Poly(3-octylthiophene)", Macromolecules 1992, Vol 25, pages 3284 – 3290. | X |
| | | YU, G. et al., "Dual-function semiconducting polymer devices: Light-emitting and photodetecting diodes", American Institute of Physics, Applied Physics Letter 64, March 21, 1994, pages 1540 – 1542. | X |
| | | ZHENG, Xiang-Yang et al., "Electrochemical Patterning of the Surface of Insulators with Electrically Conductive Polymers", J. Electrochem. Soc., v. 142, 1995, pp L226-L227. | X |
| Examiner Signature | | /ASOK Kumar Sarkar/ (01/31/2008) | Date Considered |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED

#264824 v3 - MASTER LIST III-includes 8/1/05 references

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/